

EXECUTIVE SUMMARY UPDATE # 2 Dam Incident, Twain Harte Dam Tuolumne County– August 3, 2014

UPDATE:

- * There remains no imminent threat as a result of the incident.
- * The Flash Flood Warning previously in effect has been cancelled by the National Weather Service.
- * There are multiple cracks above the water line; below the water line where the dam interfaces with a boulder is where the leak is occurring.
- * The flow from the crack is approximately 100 gallons per minute (gpm)
- * As a precautionary measure, approximately 2,000 gpm was being released to lower the level of the Twain Harte Lake below the damaged area on the dam. According to the Department of Water Resources (DWR), Division of Safety of Dams (DSOD) that flowrate has been increased.
- * It was originally estimated that it would take two days to lower the level of the lake approximately 10 feet; due to increased release rate, that estimate has been revised to 24 hours.
- * DSOD is closely monitoring the situation and will notify FOC if situation worsens.
- * The current situation is a hazardous situation developing with NO imminent threat of failure.

Drinking Water Impact:

According to Tuolumne CAO and Deputy CAO (OES), draining water from Twain Harte Lake will not affect the community's water supply.

- * Twain Harte Lake is described as a recreational lake and is not a source of drinking water. Total amount of water is approximately 142 acre feet (AF) with an estimated depth of 25 feet.
- * Water being released will travel down to the Phoenix Lake Reservoir which is part of the TUD water system. Out-flow from Phoenix Lake will be adjusted to negate increased in-flow so Phoenix Lake level will remain static. Excess water will continue to travel to Lake Don Pedro which is not part of the community water system.

Planning:

Total number of residences that would be affected by an evacuation should dam failure become a concern is being assessed by the Sheriff's Office. Three communities would be affected: Crystal Falls Subdivision, Sonora Meadows and Phoenix Lake Country Club.

- * If an evacuation was necessary, the county would utilize the Emergency Notification System (ENS) to communicate instructions to residences between Twain Harte Lake and Lake Don Pedro.
- * As of 1515 hours today the County had issued a press release and was drafting a message instructing residents to be prepared for evacuation.



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UPDATE Continued...

Deployments:

- * There are currently (2) engineers and (1) engineering geologist on-site from DSOD; they plan to stay until the situation is stable.
- * A Cal OES Inland Region ESC is being deployed on 8/4/14.

Current Agencies on Scene:

- * Division of Safety of Dams (DSOD) from the Department of Water Resources (DWR)
- * Tuolumne Utilities District (TUD)
- * Twain Harte Community Services District
- * PG&E
- * Tuolumne County Sheriff's Office

Activations: None

SITUATION:

At approximately 1015 hours, August 3, 2014 Dennis Wyckoff, with Twain Harte Lakes Association, reported a Dam Incident at Twain Harte Dam, Tuolumne County, to the California State Warning Center. The reporting person indicated that cracking and shaking were observed, loud boom sounds were heard and water was flowing through crack. He further indicated the reservoir had decreased by one inch.





Twain Harte Dam Location



Twain Harte 551 Dam



